

SEQUENCE LISTING

<110> Ono Pharmaceutical Co., Ltd.

<120> Novel Polypeptides, DNAs encoding the polypeptides, and utility of the Polypeptides

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<140> 09/380,276

<141> 1999-08-27

<150> JP 9-43143

<151> 1997-02-27

<150> PCT/JP98/00799

<151> 1997-02-27

<160> 10

<170> PatentIn version 3.0

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<212> DNA

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Cys Asn Gln Cys Gly Pro Gly Met Glu Leu Ser Lys Glu Cys Gly Phe
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Gly Tyr Gly Glu Asp Ala Gln Cys Val Thr Cys Arg Leu His Arg Phe
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Lys Glu Asp Trp Gly Phe Gln Lys Cys Lys Pro Cys Leu Asp Cys Ala
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Val Val Asn Arg Phe Gln Lys Ala Asn Cys Ser Ala Thr Ser Asp Ala
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Ile Cys Gly Asp Cys Leu Pro Gly Phe Tyr Arg Lys Thr Lys Leu Val
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Tyr Glu Pro His Cys Ala Ser Lys Val Asn Leu Val Lys Ile Ala Ser
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Cys Lys Arg Gln Phe Met Glu Lys Lys Pro Ser Trp Ser Leu Arg Ser
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Gln Glu Phe Arg Asp Arg Ser Gly Asn Cys Val Pro Cys Asn Gln Cys	
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ttc	gga	tcc	ctc	acg	cag	tcc	atc	tgt	ggc	gag	ttt	tca	gat	gcc	tgg		968
Phe	Gly	Ser	Leu	Thr	Gln	Ser	Ile	Cys	Gly	Glu	Phe	Ser	Asp	Ala	Trp		
		270					275					280					
cct	ctg	atg	cag	aat	ccc	atg	ggc	ggc	gac	aac	atc	tct	ttt	tgt	gac		1016
Pro	Leu	Met	Gln	Asn	Pro	Met	Gly	Gly	Asp	Asn	Ile	Ser	Phe	Cys	Asp		
	285					290					295						
tct	tat	cct	gaa	ctc	act	gga	gaa	gac	att	cat	tct	ctc	aat	cca	gaa		1064
Ser	Tyr	Pro	Glu	Leu	Thr	Gly	Glu	Asp	Ile	His	Ser	Leu	Asn	Pro	Glu		
300					305					310					315		
ctt	gaa	agc	tca	acg	tct	ttg	gat	tca	aat	agc	agt	caa	gat	ttg	gtt		1112
Leu	Glu	Ser	Ser	Thr	Ser	Leu	Asp	Ser	Asn	Ser	Ser	Gln	Asp	Leu	Val		
				320					325					330			
ggc	ggg	gct	gtt	cca	gtc	cag	tct	cat	tct	gaa	aac	ttt	aca	gca	gct		1160
Gly	Gly	Ala	Val	Pro	Val	Gln	Ser	His	Ser	Glu	Asn	Phe	Thr	Ala	Ala		
			335				340						345				
act	gat	tta	tct	aga	tat	aac	aac	aca	ctg	gta	gaa	tca	gca	tca	act		1208
Thr	Asp	Leu	Ser	Arg	Tyr	Asn	Asn	Thr	Leu	Val	Glu	Ser	Ala	Ser	Thr		

350	355	360	
cag gat gca cta act atg aga agc cag cta gat	cag gag agt ggc gct	1256	
Gln Asp Ala Leu Thr Met Arg Ser Gln Leu Asp	Gln Glu Ser Gly Ala		
365	370 375		
atc atc cac cca gcc act cag acg tcc ctc cag gta agg cag cga ctg	1304		
Ile Ile His Pro Ala Thr Gln Thr Ser Leu Gln Val Arg Gln Arg Leu			
380	385 390 395		
ggc tcc ctg tgaacacagc actgacttac agtagatcag aactctgttc	1353		
Gly Ser Leu			
ccagcataag atttggggga acctgatgag tttttttttt gcattcttaa taatttcttg	1413		
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-5 -1 1 5			
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10 15 20			
Cys Asn Gln Cys Gly Pro Gly Met Glu Leu Ser Lys Glu Cys Gly Phe			
25 30 35			
Gly Tyr Gly Glu Asp Ala Gln Cys Val Thr Cys Arg Leu His Arg Phe			
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Lys Glu Asp Trp Gly Phe Gln Lys Cys Lys Pro Cys Leu Asp Cys Ala			
60 65 70			
Val Val Asn Arg Phe Gln Lys Ala Asn Cys Ser Ala Thr Ser Asp Ala			

75

80

85

Ile Cys Gly Asp Cys Leu Pro Gly Phe Tyr Arg Lys Thr Lys Leu Val
 90 95 100

Gly Phe Gln Asp Met Glu Cys Val Pro Cys Gly Asp Pro Pro Pro Pro
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Tyr Glu Pro His Cys Ala Ser Lys Val Asn Leu Val Lys Ile Ala Ser
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Thr Ala Ser Ser Pro Arg Asp Thr Ala Leu Ala Ala Val Ile Cys Ser
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Ala Leu Ala Thr Val Leu Leu Ala Leu Leu Ile Leu Cys Val Ile Tyr
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Cys Lys Arg Gln Phe Met Glu Lys Lys Pro Ser Trp Ser Leu Arg Ser
 170 175 180

Gln Asp Ile Gln Tyr Asn Gly Ser Glu Leu Ser Cys Leu Asp Arg Pro
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Gln Leu His Glu Tyr Ala His Arg Ala Cys Cys Gln Cys Arg Arg Asp
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Glu Glu Ala Cys Ser Pro Asn Pro Ala Thr Leu Gly Cys Gly Val His
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Ser Ala Ala Ser Leu Gln Ala Arg Asn Ala Gly Pro Ala Gly Glu Met
 250 255 260

Val Pro Thr Phe Phe Gly Ser Leu Thr Gln Ser Ile Cys Gly Glu Phe
 265 270 275

Ser Asp Ala Trp Pro Leu Met Gln Asn Pro Met Gly Gly Asp Asn Ile
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Ser Phe Cys Asp Ser Tyr Pro Glu Leu Thr Gly Glu Asp Ile His Ser
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Leu Asn Pro Glu Leu Glu Ser Ser Thr Ser Leu Asp Ser Asn Ser Ser
315 320 325

Gln Asp Leu Val Gly Gly Ala Val Pro Val Gln Ser His Ser Glu Asn
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Phe Thr Ala Ala Thr Asp Leu Ser Arg Tyr Asn Asn Thr Leu Val Glu
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